

SEQUENCE LISTING



<110> Shaw, J. Stephen
National Institutes of Health

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<211> 15
<212> PRT
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<220>
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<400> 113
Gly Glu Asn Val Leu Lys Lys Ser Met Lys Ser Arg Val Lys Gly
1 5 10 15

<210> 114
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 114
Lys Lys Lys Lys Arg Ala Ser Phe Lys Arg Lys Ser Ser Lys Lys Gly
1 5 10 15

<210> 115
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 115
Asn Arg Lys Lys Lys Arg Thr Ser Phe Lys Arg Lys Ala
1 5 10

<210> 116
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 116
Glu Glu Gly Thr Phe Arg Ser Ser Ile Arg Arg Leu Ser Thr Arg Arg
1 5 10 15
Arg

<210> 117
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 117
Asn Arg Lys Lys Lys Arg Thr Ser Phe Lys Arg Lys Ala
1 5 10

<210> 118
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 118
Arg Pro Gln Asn Thr Leu Lys Ala Ser Lys Lys Lys Lys Arg Ala Ser
1 5 10 15
Phe Lys Arg Lys
20

<210> 119
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 119
Lys Lys Arg Phe Ser Phe Lys Ser Phe Lys Leu Ser Gly Phe Ser
1 5 10 15
Phe Lys Lys Asn
20

<210> 120
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 120
Ala Lys Arg Arg Arg Leu Ser Ser Leu Arg Ala Ser Thr Ser Lys
1 5 10 15

<210> 121
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 121
Leu Arg Arg Arg Ser Leu Arg Arg Ser Asn Ser Ile Ser Lys Ser Pro
1 5 10 15
Gly Pro

<210> 122
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 122
Arg Ala Ile Thr Ser Thr Leu Ala Ser Ser Phe Lys Arg Arg Arg
1 5 10 15

<210> 123
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 123
Lys Lys Arg Phe Ser Phe Lys Lys Ser Phe Lys Leu Ser Gly Phe Ser
1 5 10 15
Phe Lys Lys Asn
20

<210> 124
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<400> 124
Pro Arg Leu Ile Arg Arg Gly Ser Lys Lys Arg Pro Ala Arg
1 5 10

<210> 125
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 125
Pro Leu Lys Glu Lys Lys Arg Glu Arg Lys Thr Ser Ser Lys Ser Ser
1 5 10 15
Val Arg Lys Arg
20

<210> 126
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 126
Lys Ala Ile Lys Ala Ile Glu Gly Gly Gln Lys Phe Ala Arg Lys Ser
1 5 10 15
Thr Arg Arg Ser
20

<210> 127
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 127
Ser Gln Val Gln Lys Gln Arg Ser Ala Gly Ser Phe Lys Arg Asn Ser
1 5 10 15
Ile Lys Lys Ile
20

<210> 128
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 128
Gln Gln Val Asp Arg Glu Arg Pro His Val Arg Arg Arg Arg Gly Thr
1 5 10 15
Phe Lys Arg Ser
20

<210> 129
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 129
Val Gln Arg His Arg Ser Met Arg Lys Thr Phe Ala Arg Tyr Leu Ser
1 5 10 15
Phe Arg Arg Asp
20

<210> 130
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 130
Glu Tyr Leu Glu Arg Arg Ala Ser Arg Arg Ala Val
1 5 10

<210> 131
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 131
Trp Lys Gly Lys Arg Arg Ser Lys Ala Arg Lys Lys Arg Lys
1 5 10

<210> 132
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 132
Gly Phe Leu Asn Glu Pro Leu Ser Ser Lys Ser Gln Arg Arg Lys Ser
1 5 10 15
Leu Lys Leu Lys
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<210> 133
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 133
Leu Glu Lys Arg Gly Met Leu Gly Lys Arg Pro Arg Arg Lys Ser Ser
1 5 10 15
Arg Arg Lys Lys
20

<210> 134
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 134
Arg Ser Arg Ser Arg Ser Arg Ser Lys Ser Lys Asp Lys Arg Lys Ser
1 5 10 15
Arg Lys Arg Ser
20

<210> 135
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 135
Lys Lys Lys Phe Arg Thr Pro Ser Phe Leu Lys Lys Ser Lys Lys
1 5 10 15

<210> 136
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 136
Arg Ala Arg Arg Asp Ser Leu Lys Lys Ile Glu Ile Trp
1 5 10

<210> 137
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 137
Pro Ser Lys Ser Pro Ser Lys Lys Lys Lys Phe Arg Thr Pro Ser
1 5 10 15
Phe Leu Lys Lys
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<210> 138
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 138
Glu Tyr Leu Glu Arg Arg Ala Ser Arg Arg Arg Ala Val
1 5 10

<210> 139
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 139
Arg Pro Thr Pro Gly Asp Gly Glu Lys Arg Ser Arg Ile Lys Lys Ser
1 5 10 15
Lys Lys Arg Lys
20

<210> 140
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 140
Thr Glu Leu Glu Gly Gly Phe Ser Arg Gln Arg Lys Arg Lys Leu Ser
1 5 10 15
Phe Arg Arg Arg
20

<210> 141
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 141
Val Thr Asp Ser Gln Lys Arg Arg Glu Ile Leu Ser Arg Arg Pro Ser
1 5 10 15
Tyr Arg Lys Ile
20

<210> 142
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 142
Glu Arg His Val Ala Gln Lys Lys Ser Arg Leu Arg Arg Arg Ala Ser
1 5 10 15
Gln Leu Lys Ile
20

<210> 143
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 143
Val Arg Tyr Thr Pro Tyr Thr Ile Ser Pro Tyr Asn Arg Lys Gly Ser
1 5 10 15
Phe Arg Lys Gln
20

<210> 144
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 144
Leu Ser Ser Met Phe Gly Thr Leu Pro Arg Lys Ser Arg Lys Gly Ser
1 5 10 15
Val Arg Lys Gln
20

<210> 145
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 145
Ile Ser Asp Phe Gly Leu Ala Lys Lys Leu Ala Val Gly Arg His Ser
1 5 10 15
Phe Ser Arg Arg
20

<210> 146
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 146
Gln Ala Gln Arg Gln Ile Lys Arg Gly Ala Pro Pro Arg Arg Ser Ser
1 5 10 15
Ile Arg Asn Ala
20

<210> 147
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 147
Arg Asp Ile Arg Gln Ser Pro Lys Arg Gly Phe Leu Arg Ser Ala Ser
1 5 10 15
Leu Gly Arg Arg
20

<210> 148
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 148
Arg Glu Leu Glu Gln Leu Lys Ala Glu Tyr Leu Glu Arg Arg Ala Ser
1 5 10 15
Arg Arg Arg Ala
20

<210> 149
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 149
Arg Val Val Gln Ser Val Lys His Thr Lys Arg Lys Ser Ser Thr Val
1 5 10 15
Met Lys

<210> 150
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 150
 Val Asp Pro Phe Tyr Glu Met Leu Ala Ala Arg Lys Lys Arg Ile Ser
 1 5 10 15
 Val Lys Lys Lys
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<210> 151
 <211> 20
 <212> PRT
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<220>
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<400> 151
 Pro Gln Asn Ser Leu Lys Ala Ser Asn Arg Lys Lys Lys Arg Thr Ser
 1 5 10 15
 Phe Lys Arg Lys
 20

<210> 152
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 152
 Asp Leu Ile Glu Gly Arg Lys Gly Ala Gln Ile Val Lys Arg Ala Ser
 1 5 10 15
 Leu Lys Arg Gly
 20

<210> 153
 <211> 20
 <212> PRT
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<220>
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<400> 153
 Thr Tyr Leu Leu Pro Asp Lys Ser Arg Gln Gly Lys Arg Lys Thr Ser
 1 5 10 15
 Ile Lys Arg Asp
 20

<210> 154
 <211> 20
 <212> PRT
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<220>
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<400> 154
 Lys Lys Phe Phe Thr Gln Gly Trp Ala Gly Trp Arg Lys Lys Thr Ser
 1 5 10 15
 Phe Arg Lys Pro
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<210> 155
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 155
Arg Trp Asp Lys Arg Arg Trp Arg Lys Ile Pro Lys Arg Pro Gly Ser
1 5 10 15
Val His Arg Thr
20

<210> 156
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 156
Ser Ala Gln Ile Thr Ile Pro Lys Asp Gly Gln Lys Arg Lys Lys Ser
1 5 10 15
Leu Arg Lys Lys
20

<210> 157
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 157
Pro Ser Pro Ser Asn Glu Thr Pro Lys Lys Lys Lys Arg Phe Ser
1 5 10 15
Phe Lys Lys Ser
20

<210> 158
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 158
Val Gln Met Thr Trp Ser Tyr Pro Asp Glu Lys Asn Lys Arg Ala Ser
1 5 10 15
Val Arg Arg Arg
20

<210> 159
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 159
Leu Tyr Ala Arg Leu Ala Arg Ala Tyr Arg Arg Ser Gln Arg Ala Ser
1 5 10 15
Phe Lys Arg Ala
20

<210> 160
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 160
Pro Phe Glu Val Val Trp Tyr Lys Asp Lys Arg Gln Leu Arg Ser Ser
1 5 10 15
Lys Lys Tyr Lys
20

<210> 161
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 161
Lys Tyr Lys Ala Phe Ile Arg Ile Pro Ile Pro Thr Arg Arg His Thr
1 5 10 15
Phe Arg Arg Gln
20

<210> 162
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 162
Lys Lys Lys Phe Ser Phe Lys Lys Pro Phe Lys Leu Ser Gly Leu Ser
1 5 10 15
Phe Lys Arg Asn
20

<210> 163
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 163
Pro Pro Arg Thr Pro Gly Trp His Gln Leu Gln Pro Arg Arg Val Ser
1 5 10 15
Phe Arg Gly Glu
20

<210> 164
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 164
Thr Glu Gly Lys Met Ala Arg Val Ala Trp Lys Gly Lys Arg Arg Ser
1 5 10 15
Lys Ala Arg Lys
20

<210> 165
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 165
Thr Glu Glu Lys Ser Lys Lys Arg Lys Lys Lys His Arg Lys Asn Ser
1 5 10 15
Arg Lys His Lys
20

<210> 166
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 166
Met Ala Gln Ile Glu Arg Gly Glu Ala Arg Ile Gln Arg Arg Ile Ser
1 5 10 15
Ile Lys Lys Ala
20

<210> 167
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 167
Gly Leu Pro Ala Pro Gly Glu Asp Lys Ser Ile Tyr Arg Arg Gly Ser
1 5 10 15
Arg Arg Trp Arg
20

<210> 168
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 168
Ala Met Ser Arg Ser Ala Ser Lys Arg Arg Ser Arg
1 5 10

<210> 169
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 169
Arg Thr Arg Ser Arg Arg Leu Thr Phe Arg Lys
1 5 10

<210> 170
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 170
Val Lys Leu Arg Arg Ser Lys Lys Arg Thr Lys Arg
1 5 10

<210> 171
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 171
Arg Arg Gly Arg Arg Ser Thr Lys Lys Arg Arg Arg
1 5 10

<210> 172
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 172
Val Arg Arg Arg Arg Ser Gln Arg Ile Ser Gln Arg
1 5 10

<210> 173
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 173
Arg Ser Gly Arg Arg Arg Gly Ser Gln Lys Ser
1 5 10

<210> 174
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 174
Lys Lys Glu Arg Arg Asn Ser Ile Asn Arg Asn
1 5 10

<210> 175
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 175
Lys Lys Arg Arg Thr Lys Ser Ser Arg Arg Gly Val
1 5 10

<210> 176
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 176
Arg Arg Glu Arg Ser Arg Ser Arg Arg Lys Gln
1 5 10

<210> 177
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 177
Arg Arg Arg Arg Arg Ser Arg Thr Phe Ser Arg
1 5 10

<210> 178
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 178
Arg Arg Arg Arg Ser Arg Thr Phe Ser Arg Ser
1 5 10

<210> 179
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 179
Lys Arg His Tyr Arg Lys Ser Val Arg Ser Arg Ser
1 5 10

<210> 180
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 180
Phe Leu Arg Arg Ser Ser Ser Arg Arg Asn Arg Ser
1 5 10

<210> 181
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 181
Thr Gly Glu Arg Lys Arg Lys Ser Val Arg Gly
1 5 10

<210> 182
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 182
Thr Lys Lys Lys Arg Gly Ser Tyr Arg Gly Gly Ser
1 5 10

<210> 183
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 183
Ala Arg Arg Ser Lys Arg Ser Arg Arg Arg Glu Thr
1 5 10

<210> 184
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 184
Phe Arg Ala Ser Ser Arg Ser Thr Thr Lys
1 5 10

<210> 185
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 185
Lys Lys Phe Lys Arg Arg Leu Ser Leu Thr Leu Arg
1 5 10

<210> 186
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 186
Asp Phe Arg Arg Arg Ser Phe Arg Arg Ile Ala
1 5 10

<210> 187
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 187
Leu Arg Arg Lys Ser Ser Thr Arg His Ile His Ala
1 5 10

<210> 188
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 188
Glu Arg Gly Arg Arg Gly Ser Lys Lys Gly Ser Ile
1 5 10

<210> 189
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 189
Gly Arg Arg Arg Arg Ser Arg Ser Lys Val Lys
1 5 10

<210> 190
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 190
Arg Arg Arg Arg His Thr Met Asp Lys Asp Ser Arg
1 5 10

<210> 191
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 191
His Lys Arg Asn Ser Val Arg Leu Val Ile Arg
1 5 10

<210> 192
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 192
Gly Asn Arg Lys Gly Lys Ser Lys Lys Trp Arg Gln
1 5 10

<210> 193
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 193
Pro Leu Arg Lys Ser Ser Leu Lys Lys Gly Gly Arg
1 5 10

<210> 194
<211> 12
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<213> Artificial Sequence

<220>
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<400> 194
Lys Arg Arg Lys Arg Lys Ser Leu Gln Arg His Lys
1 5 10

<210> 195
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 195
Pro Gly Ser Ser His Arg Lys Thr Lys Lys
1 5 10

<210> 196
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 196
Arg Trp Lys Arg Arg Arg Ser Tyr Ser Arg Glu His
1 5 10

<210> 197
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 197
Ile Leu Arg Pro Ser Lys Ser Val Lys Leu Arg Ser
1 5 10

<210> 198
<211> 12
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<213> Artificial Sequence

<220>
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<400> 198
Arg Arg Arg Arg Pro Thr Lys Ser Lys Gly Ser Lys
1 5 10

<210> 199
<211> 12
<212> PRT
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<220>
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<400> 199
Arg Gly Arg Arg Ser Arg Ser Arg Leu Arg Arg Arg
1 5 10

<210> 200
<211> 11
<212> PRT
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<220>
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<400> 200
Glu Gln Gln Arg Arg Ala Leu Ser Phe Arg Gln
1 5 10

<210> 201
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 201
Thr Gln Asp Arg Arg Lys Ser Leu Phe Lys Lys Ile
1 5 10

<210> 202
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 202
Val Met Lys Arg Lys Phe Ser Leu Arg Ala Ala Glu
1 5 10

<210> 203
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 203
Val Arg Arg Ser Lys Lys Ser Lys Lys Lys Glu Ser
1 5 10

<210> 204
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 204
Arg Phe Ser Arg Arg Ser Ser Ser Trp Arg Ile Leu
1 5 10

<210> 205
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 205
Glu Gly Arg Arg Ser Arg Ser Arg Arg Tyr Ser Gly
1 5 10

<210> 206
<211> 12
<212> PRT
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<220>
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<400> 206
Lys Ser Ser Arg Asn Ser Thr Ser Val Lys Lys Lys
1 5 10

<210> 207
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<220>
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<400> 207
Ser Phe Arg Gly His Ile Thr Arg Lys Lys Leu Lys
1 5 10

<210> 208
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<212> PRT
<213> Artificial Sequence

<220>
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<400> 208
Val Ser Arg Pro Arg Lys Ser Arg Lys Arg Val Asp
1 5 10

<210> 209
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<400> 209
Asp Lys Glu Lys Ser Lys Gly Ser Leu Lys Arg Lys
1 5 10

<210> 210
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<220>
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<400> 210
Pro Leu Arg Arg Arg Glu Ser Met His Val Glu Gln
1 5 10

<210> 211
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<212> PRT
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<220>
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<400> 211
Arg Ser Arg Ser Tyr Ser Arg Ser Arg Ser Arg
1 5 10

<210> 212
<211> 12
<212> PRT
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<220>
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<400> 212
Val Ser Arg Gly Ser Ser Leu Lys Ile Leu Ser Lys
1 5 10

<210> 213
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 213
Arg His Ser Arg Ser Arg Ser Arg His Arg Leu Ser
1 5 10

<210> 214
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 214
Ser Arg Arg Arg Ser Pro Ser Tyr Ser Arg His Ser
1 5 10

<210> 215
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 215
Thr Lys Lys Arg Ser Lys Ser Arg Ser Lys Glu Arg
1 5 10

<210> 216
<211> 12
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<213> Artificial Sequence

<220>
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<400> 216
Ser Cys Arg Thr Ser Ser Arg Lys Arg Ala Gly Lys
1 5 10

<210> 217

<400> 217
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<210> 229
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<220>
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<220>
<221> SITE
<222> 4
<223> Xaa = pSer (phosphorylated serine)

<400> 229
Trp Lys Asn Xaa Ile Arg His
1 5

<210> 230
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 4
<223> Xaa = pSer (phosphorylated serine)

<400> 230
Arg Arg Pro Xaa Tyr Arg Lys
1 5

<210> 231
<211> 5
<212> PRT
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<220>
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<220>
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<222> 1
<223> Xaa = biotinylated-Lys

<220>
<221> SITE
<222> 2
<223> Xaa = dansylated-Lys

<400> 231
Xaa Xaa Pro Pro Gly
1 5

<210> 232

<400> 232
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<210> 233

<400> 233
000

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1 5 10 15
Glu

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<223> Xaa = pS (phosphorylated serine)

<400> 290
Arg Val Ile Leu Gln Gly Arg Asp Xaa Asn Ile Pro Gly Ser Asp Tyr
1 5 10 15
Ile

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<223> Xaa = pS (phosphorylated serine)

<400> 291
Ala His Ala Lys Ala Ser Arg Thr Xaa Ser Lys His Lys Glu Asp Val
1 5 10 15
Tyr

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Lys Lys Lys Leu Glu Val Leu Gln Xaa Gln Lys Gly Gln Glu Ser Glu
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Tyr

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Glu

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<400> 299
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Lys

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<400> 301
Arg Ser Gly Arg Arg Arg Gly Xaa Gln Lys Ser Thr Asp Ser
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<400> 302
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<223> Xaa = pS (phosphorylated serine)

<400> 303
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<400> 306
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<400> 308
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<400> 310
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<400> 312
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<400> 313
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<400> 318
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<400> 320
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<400> 321
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<400> 322
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<400> 323
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<400> 324
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<400> 325
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<400> 328
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<400> 330
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<400> 333
Met Ala Arg Arg Ser Lys Arg Xaa Arg Arg Arg Glu Thr Gln
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<400> 334
Arg Arg Arg Ser Gln Arg Ile Xaa Gln Arg Ile Thr
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<400> 335
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<400> 336
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<400> 337
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<400> 339
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<400> 343
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Arg Gly Phe Leu Arg Ser Ala Xaa Leu Gly Arg Arg
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<400> 351
Arg Arg Arg Ser Arg Thr Phe Xaa Arg Ser Ser Ser
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<400> 352
Tyr Arg Trp Lys Arg Arg Arg Xaa Tyr Ser Arg Glu His Glu
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Lys Leu Ala Val Gly Arg His Xaa Phe Ser Arg Arg Ser Gly
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1 5 10

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<400> 356
Arg Glu Arg Arg Glu Arg Xaa Arg Ser Arg Arg Lys Gln
1 5 10

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1 5 10

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1 5 10

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<223> Xaa = pS (phosphorylated serine)

<400> 359

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<210> 360

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<223> Xaa = pT (phosphorylated threonine)

<400> 360

Lys Ala Thr Thr Lys Lys Arg Xaa Leu Arg Lys Asn Asp Arg
1 5 10

<210> 361

<211> 14

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<223> Xaa = pS (phosphorylated serine)

<400> 361
Arg Arg Arg Ser Leu Arg Arg Xaa Asn Ser Ile Ser Lys Ser
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<400> 362
Arg Ser Leu Arg Arg Ser Asn Xaa Ile Ser Lys Ser Pro Gly
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<223> Xaa = pS (phosphorylated serine)

<400> 363
Asp Arg Phe Ser Arg Arg Ser Xaa Ser Trp Arg Ile Leu Gly
1 5 10

<210> 364
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<400> 364
Asp Arg Phe Ser Arg Arg Xaa Ser Ser Trp Arg Ile Leu
1 5 10

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<400> 365
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<210> 366
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<400> 366
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<400> 367
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<400> 368
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<400> 369
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<400> 370
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1 5 10

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<400> 372
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<400> 373
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<400> 374
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<400> 375
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<400> 376
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<223> Xaa = pS (phosphorylated serine)

<400> 377
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<400> 378
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<400> 380
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<400> 381
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<400> 382
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<400> 383
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<400> 384
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<400> 385
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1 5 10

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1 5 10

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1 5 10

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<400> 388
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<400> 389
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<400> 390
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<400> 391
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<400> 392
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<400> 393
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<400> 394
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<400> 395
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<400> 396
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1 5 10

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<400> 397
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<400> 398
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1 5 10

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<400> 402
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<400> 403
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1 5 10

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<400> 406
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<400> 407
Phe Ile Lys Lys Arg Arg Xaa Lys Ser Ser Arg Arg Gly
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<400> 408
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1 5 10

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<223> Xaa = pS (phosphorylated serine)

<400> 409
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<400> 410
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1 5 10

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<223> Xaa = pS (phosphorylated serine)

<400> 411
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1 5 10

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<400> 412
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1 5 10

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<400> 413

Leu Ala Arg Ala Tyr Arg Arg Xaa Gln Arg Ala Ser Phe Lys
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<223> Xaa = pS (phosphorylated serine)

<400> 415

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<400> 416

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<400> 417
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<400> 419
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<400> 420
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<400> 421
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<400> 422
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<400> 423
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<400> 425
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<400> 427

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<400> 428

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<223> Xaa = pS (phosphorylated serine)

<400> 429

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1 5 10

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<400> 430

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1 5 10

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<400> 431
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<400> 432
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1 5 10

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<400> 433
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1 5 10

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 1           5           10

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<400> 439
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1 5 10

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<223> Xaa = pS (phosphorylated serine)

<400> 440
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1 5 10

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<213> Artificial Sequence

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<223> Xaa = pS (phosphorylated serine)

<400> 441
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1 5 10

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<223> Xaa = pS (phosphorylated serine)

<400> 442
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1 5 10

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<223> Xaa = pS (phosphorylated serine)

<400> 443
Arg Gly Gly Arg Arg Arg Arg Xaa Arg Ser Lys Val Lys Glu
1 5 10

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<223> Xaa = pS (phosphorylated serine)

<400> 444
Thr Thr Lys Lys Arg Ser Lys Xaa Arg Ser Lys Glu Arg Thr
1 5 10

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<400> 445
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1 5 10

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<400> 446
Arg Leu Arg Arg Arg Ser Arg Xaa
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<223> Xaa = pS (phosphorylated serine)

<400> 447
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1 5 10

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<400> 448
Lys Lys Arg Lys Lys Xaa Ser Lys Ser Leu Ala His
1 5 10

<210> 449
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<400> 449
Lys Lys Arg Lys Lys Ser Xaa Lys Ser Leu Ala His Ala
1 5 10

<210> 450
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<400> 450
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1 5 10

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<400> 451
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<223> Xaa = pS (phosphorylated serine)

<400> 452
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1 5 10

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<400> 453
Thr Glu Glu Lys Xaa Lys Lys Arg Lys Lys Lys
1 5 10

<210> 454
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<400> 454
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1 5 10

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<400> 455
Ala Gly Trp Arg Lys Lys Xaa Ser Phe Arg Lys Pro Lys
1 5 10

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<400> 456
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1 5 10

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1 5 10

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<400> 458
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1 5 10

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<223> Xaa = pS (phosphorylated serine)

<400> 459
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1 5 10

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<400> 460
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1 5 10

<210> 461
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 461
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1 5 10

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<400> 462
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1 5 10

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<223> Xaa = pS (phosphorylated serine)

<400> 463
Val Lys Leu Arg Ser Pro Lys Xaa
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<400> 464
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1 5 10

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<400> 465
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1 5 10

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1 5 10

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<400> 467
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1 5 10

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<400> 468
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1 5 10

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<400> 469
Lys Arg Ser Arg Ile Lys Lys Xaa Lys Lys Arg Lys
1 5 10

<210> 470
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<400> 470
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<400> 471
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<400> 472
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1 5 10

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<400> 473
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1 5 10

<210> 474
<211> 14
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<220>
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<400> 474
Lys Lys Lys Lys Lys Arg Phe Ser Phe Lys Lys Ser Phe Lys
1 5 10

<210> 475
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1 5 10

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1 5 10

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1 5 10

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1 5 10

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1 5 10

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1 5 10

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1 5 10

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1 5 10

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1 5 10

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1 5 10

<210> 628
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1 5 10 15
Lys

<210> 633
<211> 17
<212> PRT
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<220>
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<400> 633
Glu Asp Gly Ala Thr Pro Ser Pro Ser Asn Glu Thr Pro Lys Lys Lys
1 5 10 15
Lys

<210> 634
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<220>
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1 5 10 15
Phe

<210> 635
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<220>
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Ser

<210> 636
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1 5 10 15
Phe

<210> 637
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Lys

<210> 638
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<220>
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1 5 10 15
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<210> 639
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<400> 639
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Gly

<210> 640
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
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<400> 640
Val Ala Pro Glu Lys Pro Pro Ala Ser Asp Glu Thr Lys Ala Ala Glu
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Glu